

ACTIVE SOUND CONTROL

ASC

-
1. General Description
 2. Relay and Fuse
 3. Active Sound Control System
 4. Active Sound Control CM
 5. Active Sound Control Speaker

ACTIVE SOUND CONTROL > General Description

CAUTION

- When performing service operation, refer to "Repair Contents" in "General Description". [🔗 Ref. to REPAIR CONTENTS>Repair Contents.](#)
- When performing work on the sensors or modules, be careful of the following.
 - Before disconnecting connectors, be sure to disconnect the ground terminal from the battery sensor. [🔗 Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)
 - Do not apply any impact. If the parts are accidentally dropped, replace with a new part.
 - Do not expose to high-temperature and humidity.
- When replacing the parts provided with memory functions, record the memory contents before disconnecting the ground terminal from the battery sensor.
- Refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM" section. [🔗 Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)

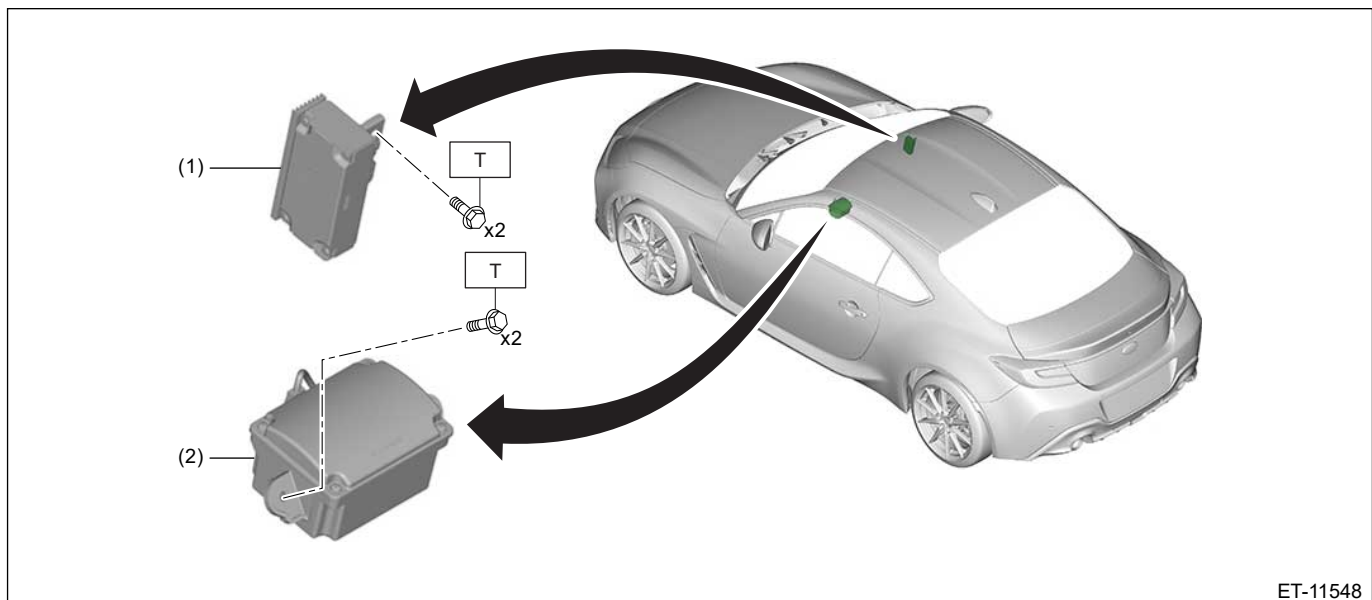
ACTIVE SOUND CONTROL > General Description

LOCATION

For location, refer to "Electrical Component Location" in the "ACTIVE SOUND CONTROL (DIAGNOSTICS)" section. [🔗 Ref. to ACTIVE SOUND CONTROL \(DIAGNOSTICS\)>Electrical Component Location.](#)

ACTIVE SOUND CONTROL > General Description

COMPONENT



(1) Sound control ASSY

(2) Speaker ASSY sound creator

Tightening torque: N·m (kgf·m, ft·lb)

T: 7.5 (0.8, 5.5)

ACTIVE SOUND CONTROL > General Description


PREPARATION TOOL

1. OTHER

	REMARKS
Circuit tester	Used for measuring resistance, voltage and current.

ACTIVE SOUND CONTROL > Relay and Fuse

LOCATION

For the location, refer to "FUSE AND RELAY" in the wiring diagram.  [Ref. to WIRING SYSTEM>Fuse And Relay>LOCATION.](#)

Note:

For details of relay and fuse, refer to "DC POWER SUPPLY CIRCUIT".  [Ref. to WIRING SYSTEM>Power Supply Circuit>WIRING DIAGRAM.](#)

ACTIVE SOUND CONTROL > Relay and Fuse

INSPECTION

1. CHECK FUSE


1. Remove the fuse and inspect visually.
2. If the fuse is blown out, replace the fuse.

Note:

If the fuse is blown again, check the system wiring harness.

ACTIVE SOUND CONTROL > Active Sound Control System


WIRING DIAGRAM

For the wiring diagram, refer to "Active sound control system" in the wiring diagram.  [Ref. to WIRING SYSTEM>Active Sound Control System>WIRING DIAGRAM.](#)


ACTIVE SOUND CONTROL > Active Sound Control System

INSPECTION


1. BASIC INSPECTION

For the basic inspection, refer to "Basic Diagnostic Procedure" of the "ACTIVE SOUND CONTROL (DIAGNOSTICS)" section.  [Ref. to ACTIVE SOUND CONTROL \(DIAGNOSTICS\)>Basic Diagnostic Procedure.](#)

2. SYSTEM BLOCK DIAGRAM

For system block diagram, refer to "System Block Diagram" in the "ACTIVE SOUND CONTROL (DIAGNOSTICS)" section.  [Ref. to ACTIVE SOUND CONTROL \(DIAGNOSTICS\)>General Description>SYSTEM BLOCK DIAGRAM.](#)

3. MODULE I/O SIGNAL


For the electrical specification, refer to "Control Module I/O Signal" of the "ACTIVE SOUND CONTROL (DIAGNOSTICS)" section.  [Ref. to ACTIVE SOUND CONTROL \(DIAGNOSTICS\)>Control Module I/O Signal>ELECTRICAL SPECIFICATION.](#)



ACTIVE SOUND CONTROL > Active Sound Control System

NOTE

For operation procedures of components of the active sound control, refer to the following sections.

Note:

For the CAN communication system, refer to the LAN system.  [Ref. to LAN SYSTEM \(DIAGNOSTICS\)>Electrical Component Location.](#)










- Active sound control CM:  [Ref. to ACTIVE SOUND CONTROL>Active Sound Control CM.](#)
- Active sound control speaker:  [Ref. to ACTIVE SOUND CONTROL>Active Sound Control Speaker.](#)

ACTIVE SOUND CONTROL > Active Sound Control CM

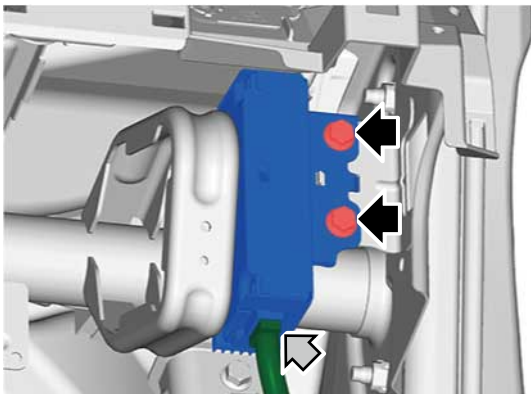
REMOVAL

Caution:

Before handling the airbag system components, always refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM".  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)

1. Disconnect the ground terminal from the battery sensor, and wait for at least 60 seconds before starting work.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)
2. Remove the pocket COMPL.  [Ref. to EXTERIOR/INTERIOR TRIM>Glove Box>REMOVAL > GLOVE BOX LID.](#)
3. Remove the boot assembly parking brake and the console box assembly.  [Ref. to EXTERIOR/INTERIOR TRIM>Console Box>REMOVAL.](#)
4. Remove the cover center side.  [Ref. to EXTERIOR/INTERIOR TRIM>Center Console>REMOVAL.](#)
5. Remove the cover LWR driver INN.  [Ref. to EXTERIOR/INTERIOR TRIM>Instrument Panel Lower Cover>REMOVAL > INSIDE.](#)
6. Remove the cover assembly instrument panel side RH and the panel center UPR assembly.  [Ref. to AIR CONDITIONER>Air Vent Grille>REMOVAL > CENTER GRILLE.](#)
7. Remove the center information display assembly.  [Ref. to ENTERTAINMENT & MONITORING>Cockpit Display>REMOVAL.](#)
8. Remove the heater control assembly.  [Ref. to AIR CONDITIONER>Control Panel>REMOVAL.](#)
9. Remove the panel instrument passenger.  [Ref. to EXTERIOR/INTERIOR TRIM>Glove Box>REMOVAL > BACK PANEL.](#)
10. Remove the sound control assembly.
 - (1) Disconnect the connector.
 - (2) Remove the bolts, and then remove the sound control assembly.

ZD-*AU



ET-11549

ACTIVE SOUND CONTROL > Active Sound Control CM

INSTALLATION










Caution:

Before handling the airbag system components, always refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM".  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)

1. Install the sound control assembly, and connect the connector.

Tightening torque:

7.5 N·m (0.8 kgf-m, 5.5 ft-lb)








2. Install the panel instrument passenger.  [Ref. to EXTERIOR/INTERIOR TRIM>Glove Box>INSTALLATION > BACK PANEL.](#)
3. Install the heater control assembly.  [Ref. to AIR CONDITIONER>Control Panel>INSTALLATION.](#)
4. Install the center information display assembly.  [Ref. to ENTERTAINMENT & MONITORING>Cockpit Display>INSTALLATION.](#)
5. Install the panel center UPR assembly and cover assembly instrument panel side RH.  [Ref. to AIR CONDITIONER>Air Vent Grille>INSTALLATION > CENTER GRILLE.](#)
6. Install the cover LWR driver INN.  [Ref. to EXTERIOR/INTERIOR TRIM>Instrument Panel Lower Cover>INSTALLATION > INSIDE.](#)
7. Install the cover center side.  [Ref. to EXTERIOR/INTERIOR TRIM>Center Console>INSTALLATION.](#)
8. Install the console box assembly and the boot assembly parking brake.  [Ref. to EXTERIOR/INTERIOR TRIM>Console Box>INSTALLATION.](#)
9. Install the pocket COMPL.  [Ref. to EXTERIOR/INTERIOR TRIM>Glove Box>INSTALLATION > GLOVE BOX LID.](#)
10. Connect the ground terminal to battery sensor.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)

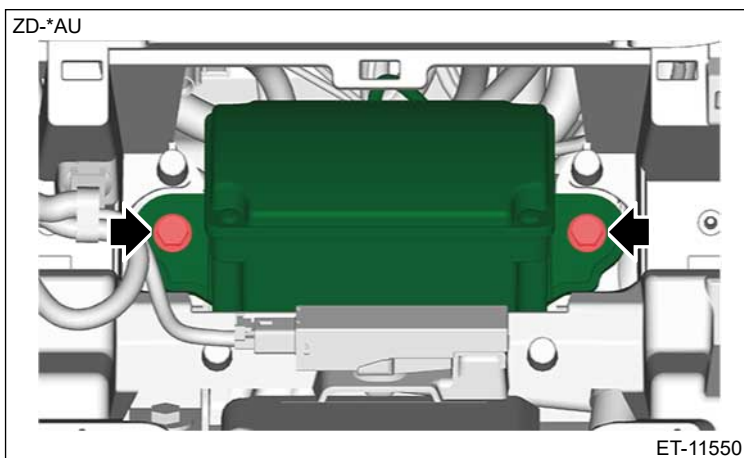
ACTIVE SOUND CONTROL > Active Sound Control Speaker

REMOVAL

Caution:

Before handling the airbag system components, always refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM".  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)

1. Disconnect the ground terminal from the battery sensor, and wait for at least 60 seconds before starting work.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)
2. Remove the boot assembly parking brake and the console box assembly.  [Ref. to EXTERIOR/INTERIOR TRIM>Console Box>REMOVAL.](#)
3. Remove the cover center side.  [Ref. to EXTERIOR/INTERIOR TRIM>Center Console>REMOVAL.](#)
4. Remove the cover LWR driver INN.  [Ref. to EXTERIOR/INTERIOR TRIM>Instrument Panel Lower Cover>REMOVAL > INSIDE.](#)
5. Remove the cover assembly instrument panel side RH and the panel center UPR assembly.  [Ref. to AIR CONDITIONER>Air Vent Grille>REMOVAL > CENTER GRILLE.](#)
6. Remove the center information display assembly.  [Ref. to ENTERTAINMENT & MONITORING>Cockpit Display>REMOVAL.](#)
7. Remove the heater control assembly.  [Ref. to AIR CONDITIONER>Control Panel>REMOVAL.](#)
8. Remove the speaker assembly sound creator.
(1) Remove the bolt.




- (2) Disconnect the connector, and remove the speaker assembly sound creator.

ACTIVE SOUND CONTROL > Active Sound Control Speaker

INSTALLATION








Caution:

Before handling the airbag system components, always refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM".  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)

1. Connect the connector, and install the speaker assembly sound creator.

Tightening torque:

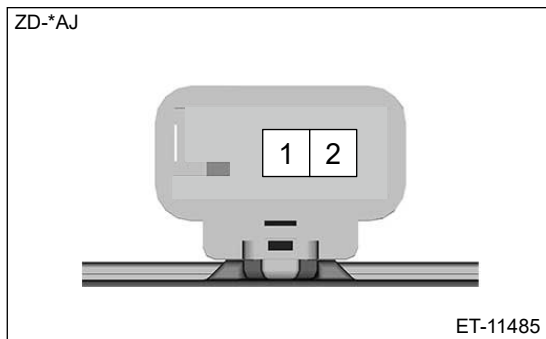
7.5 N·m (0.8 kgf-m, 5.5 ft-lb)

2. Install the heater control assembly.  [Ref. to AIR CONDITIONER>Control Panel>INSTALLATION.](#)
3. Install the center information display assembly.  [Ref. to ENTERTAINMENT & MONITORING>Cockpit Display>INSTALLATION.](#)
4. Install the panel center UPR assembly and cover assembly instrument panel side RH.  [Ref. to AIR CONDITIONER>Air Vent Grille>INSTALLATION > CENTER GRILLE.](#)
5. Install the cover LWR driver INN.  [Ref. to EXTERIOR/INTERIOR TRIM>Instrument Panel Lower Cover>INSTALLATION > INSIDE.](#)
6. Install the cover center side.  [Ref. to EXTERIOR/INTERIOR TRIM>Center Console>INSTALLATION.](#)
7. Install the console box assembly and the boot assembly parking brake.  [Ref. to EXTERIOR/INTERIOR TRIM>Console Box>INSTALLATION.](#)
8. Connect the ground terminal to battery sensor.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)

ACTIVE SOUND CONTROL > Active Sound Control Speaker

INSPECTION

1. Check that no foreign matter has entered the speaker and that the speaker cone is not torn, deformed, or otherwise damaged.
2. Measure the resistance between connector terminals.



Terminal No.	Inspection conditions	Standard
1 — 2	Always	4 Ω

3. Replace the speaker assembly sound creator if it is found defective.